

# NEBRASKA WEATHER & CROPS

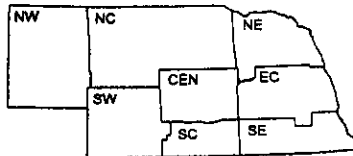
For Week Ending July 25, 1999

P O Box 81069  
Lincoln, NE 68501

Phone (402) 437-5541  
Location 298 Federal Bldg

Internet <http://www.agr.state.ne.us/agstats/index.htm>  
e-mail: [nass-ne@nass.usda.gov](mailto:nass-ne@nass.usda.gov)

National Agricultural Statistics Service  
U.S. Department of Agriculture  
and U.S. Department of Commerce  
National Oceanic and Atmospheric Admin  
National Weather Service



Nebraska Department of Agriculture  
Division of Agr'l Statistics  
Cooperative Extension Service  
Institute of Agriculture  
and Natural Resources--UN-L

Issued by the  
NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

Issue: 20-99

Released: 7/26/99 - 3:00 p.m.

## WEATHER

Temperatures across Nebraska averaged one to six degrees above normal for the week. Precipitation for the week averaged from ten hundredths in the East Central District to nearly two inches in the North Central District.

## GENERAL

Hot and humid weather conditions with some rainfall allowed good crop growth and producers to complete some field activities, according to the Nebraska Agricultural Statistics Service. Warmer temperatures had irrigation systems operating and crops maturing fast. Producers with second cutting of alfalfa and oats to harvest need continued open weather to complete harvest. Insecticides were applied to crops with evidence of insect damage. Treatment for spider mite activity occurred, as needed, in light textured soils in the East Central District. Field activities included cutting hay, moving grain, marketing grain and livestock, harvesting crops, and irrigating.

## CROPS

**Corn** conditions declined slightly from last week and rated 1% very poor, 5% poor, 16% fair, 57% good, and 21% excellent. Dryland corn rated 78% and irrigated corn rated 78% in good and excellent conditions. Corn silked was at 77%, below last year's 84%, but above 61% average. Corn doughed rated 4%, above last year's 3%, but below 5% average. Reports indicated some stored corn was getting hot and spoiling. Corn root worms were reported in some fields. Some producers have light development of gray leaf spot lesions, rust and eye spot disease in some corn hybrids.

## CROPS (Cont.)

**Soybean** blooming was 73%, behind last year's 78%, but ahead of 64% average. Soybean setting pod rated 15%, below last year's 18% and just above 14% average. Soybean conditions were rated 1% very poor, 3% poor, 20% fair, 62% good, and 14% excellent.

**Sorghum** headed was at 10%, just below last year's 14% and 13% average. Sorghum conditions rated 2% poor, 15% fair, 79% good, and 4% excellent.

**Dry Bean** blooming was at 63%, above last year's 38%, and 51% average. Dry bean conditions rated 1% very poor, 5% poor, 16% fair, 70% good, and 8% excellent.

**Winter Wheat** harvest was at 93%, slightly above last year's 89% and 80% average. Wheat harvest was slowed where rains were received.

**Oats** harvested rated 63%, ahead of 64% last year and 62% average.

**Alfalfa** conditions rated 1% very poor, 1% poor, 18% fair, 68% good, and 12% excellent. Alfalfa second cutting rated 88%, above last year's 83% and 78% average. Leaf hoppers were the main problem in alfalfa.

**Wild Hay** conditions were rated at 1% poor, 13% fair, 67% good, and 19% excellent.

## LIVESTOCK, PASTURE & RANGE

Pasture and range conditions rated 1% very poor, 4% poor, 23% fair, 53% good, and 19% excellent. Because of above normal temperatures, feedlot gains have not done well. Some feeders were watering the cattle to keep them cool. Pastures are in need of moisture.

CROP PROGRESS AS OF JULY 25, 1999	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% Wheat Harvested	82	99	99	95	100	99	100	100	93	72	89	80
% Soybeans Blooming	n/a	56	76	48	71	84	83	85	73	44	78	64
% Soybeans Setting Pods	n/a	7	6	12	17	5	39	17	15	4	18	14
% Corn Dough	0	0	1	0	5	6	7	11	4	0	3	5
% Corn Silked	51	35	78	88	74	69	89	86	77	22	84	61
% Sorghum Headed	n/a	2	8	0	18	55	3	7	10	5	14	13
% Dry Beans Blooming	65	11	100	37	n/a	71	n/a	n/a	63	24	38	51
% Alfalfa Second Cutting	64	80	88	89	96	94	100	100	88	73	83	78
% Oats Harvested	30	82	52	62	68	85	100	100	63	34	64	62

## DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 23, 1999

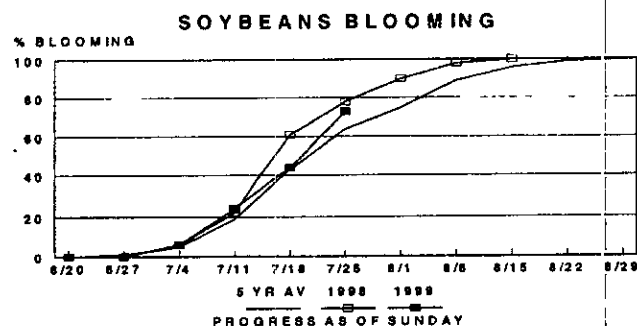
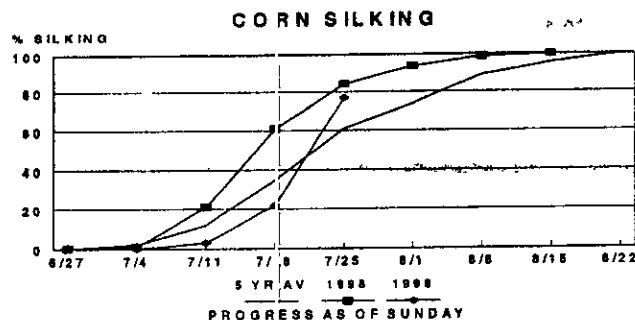
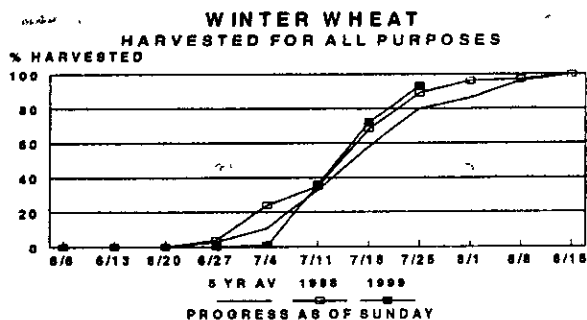
Days suitable	3	8	4	5	4	6	5	7	6	7	5	2	5	2
Topsoil moisture - Very Short (Percent)	0	0	3	3	2	0	3	7	2	1	2			
- Short	7	14	24	48	41	39	80	32	33	28	24			
- Adequate	90	67	70	49	57	58	17	61	61	70	71			
- Surplus	3	19	3	0	0	3	0	0	4	1	3			
Subsoil moisture - Very Short (Percent)	0	0	1	0	1	0	0	3	1	1	2			
- Short	5	6	16	22	19	22	68	17	18	12	19			
- Adequate	95	94	81	78	80	78	32	80	81	85	78			
- Surplus	0	0	2	0	0	0	0	0	0	2	1			

n/a = not available

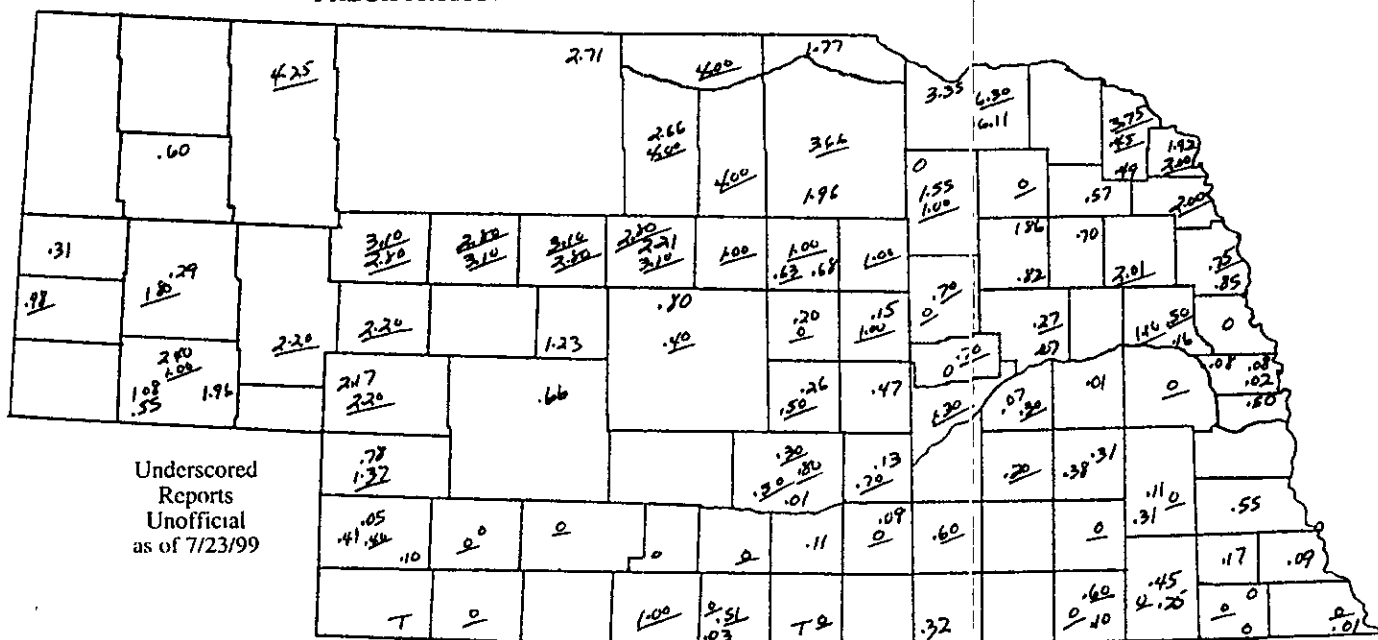
Periodical Postage  
Paid at  
Lincoln, Nebraska

NEBRASKA WEATHER & CROPS  
P.O. Box 81069  
Lincoln, NE 68501

NEBRASKA WEATHER & CROPS (ISSN 0745-0117) is published weekly April-November and monthly December-March by the Nebraska Department of Agriculture, Nebraska Agricultural Statistics Service (NASS), 100 Centennial Mall North, Room 298 Federal Building, Lincoln, NE 68508. Subscription is free to survey respondents upon request to NASS, P.O. Box 81069, Lincoln, NE 68501, or by calling (402) 437-5541 and available for \$15.00 per year to non-reporters. It is also available free by polling out FAX at (402) 437-5547 after 3:30 p.m. CT. POSTMASTER: Send address changes to NEBRASKA WEATHER & CROPS, P.O. Box 81069, Lincoln, NE 68501.



PRECIPITATION MAP FOR WEEK ENDING SATURDAY, JULY 24 1999



PRECIPITATION, APRIL 1 - JULY 24, 1999

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	1.03	1.89	1.66	.29	.15	.52	.05	.19
Total since April 1	11.91	15.02	18.89	17.54	19.44	11.44	16.40	17.19
Normal since April 1	9.69	11.45	12.88	12.59	13.96	10.89	12.39	13.79
Total as % of normal	123%	131%	147%	139%	142%	105%	132%	125%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SATURDAY, JULY 24, 1999

WEEK ENDING SATURDAY, JULY 24, 1999									
Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches	Last Week	Current	Normal
		Max	Min						
NW	Chadron	102	58	78	---	29	---	---	---
	Scottsbluff	99	59	76	+1	31	158	1387	1410
	Sidney	96	57	75	---	1.08	160	1298	1445
NC	Valentine	98	61	79	+3	2.71	---	---	---
	Arthur	---	---	---	---	---	171	1361	1521
	O'Neill	---	---	---	---	---	186	1446	1630
NE	Norfolk	94	69	81	+5	1.86	---	---	---
	Sioux City	92	70	81	+5	1.92	---	---	---
	Concord	---	---	---	---	---	197	1536	1672
	Elgin	---	---	---	---	---	191	1462	1672
	West Point	---	---	---	---	---	200	1568	1769
CEN	Grand Island	98	69	83	+6	13	198	1595	1693
	Ord	97	69	82	---	20	190	1516	1680
	Kearney	---	---	---	---	---	194	1566	1675
EC	Lincoln	97	70	84	+5	11	214	1724	1858
	Omaha	96	71	83	+6	08	---	---	---
	Central City	---	---	---	---	---	197	1586	1721
	Mead	---	---	---	---	---	205	1660	1831
SW	Imperial	100	63	80	---	05	---	---	---
	North Platte	97	61	78	+3	06	179	1495	1576
	Curtis	---	---	---	---	---	184	1528	1603
SC	Holdrege	---	---	---	---	---	191	1586	1661
	Red Cloud	---	---	---	---	---	212	1812	1714
SE	Beatrice	---	---	---	---	---	208	1657	1858
	Clay Center	---	---	---	---	---	196	1566	1710

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is Max temp + min temp divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.